SONY

3-753-912-11 (1)

LW/MW/SW/FM Stereo PLL Synthesized Receiver

ICF-SW55

Operating Instructions page 2

Before operating the unit, please read this manual thoroughly and retain it for future reference.

Mode d'emploi page 56

Avant la mise en service de cet appareil, prière de lire attentivement ce mode d'emploi et de le conserver pour toute référence ultérieure.

Manual de instrucciones página 110

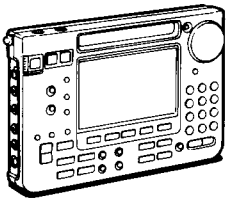
Antes de utilizar la unidad, lea este manual detenidamente y consérvelo para futuras referencias.

Bruksanvisning sidan 164

Läs igenom bruksanvisningen noga för att lära känna till radion och dess användning. Spara bruksanvisningen.

Manual de instruções página 218

Antes de utilizar o aparelho, leia atentamente est manual e guarde-o para futuras consultas.



© 1991 by Sony Corporation

English

Owner's Record

The model number is located on the upper panel and the serial number is located under the rear stand.

Record the serial number in the space provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No. ICF-SW55 Serial No. _____

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

Important notice about repairing this unit
When you ask your dealer to repair this unit, it is possible that the memorized data that you have programmed in the unit will be erased.
The erased data is not guaranteed by the dealer. We recommend you to keep a memorandum of the important data.

For the Customers in the United States

INFORMATION

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient the receiving antenna
Relocate the equipment with respect to the receiver
Move the equipment away from the receiver
Plug the equipment into a different outlet so that equipment and receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful:
"How to Identify and Resolve Radio-TV Interference Problems".
This booklet is available from the U.S. Government Printing Office, Washington, DC 20402, Stock No. 004-000-00345-4.

NOTICE FOR THE CUSTOMERS IN THE UNITED KINGDOM

IMPORTANT
The wires in this mains lead are coloured in accordance with the following code.
Blue: Neutral
Brown: Live
As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug proceed as follows:
The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.
The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.
Do not connect either wire to the earth terminal in the plug which is marked by the letter E or by the safety earth symbol ⏚ or coloured green or green-and-yellow.

The ICF-SW55 is available in various types with differences in frequency coverage and other variances, corresponding to the regulations of different countries.
The main differences are shown in the following table.
Please check the type of your unit with respect to each item.
The AM (LW/MW/SW) and FM frequency ranges are indicated on the bottom of your unit.

Despite the above differences, the operating procedures of all the types are identical. The differences are clearly described in the text as required.

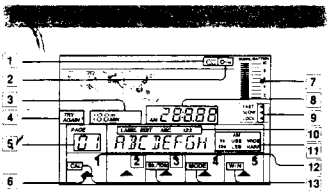
Type	Frequency coverage			
	LW	MW	SW	FM
1	150 –		29,999kHz	76.0 – 108MHz
2	150 –		29,999kHz	87.5 – 108MHz
3	150 – 285kHz	531 – 1,602kHz	3,950 – 26,100kHz	87.5 – 108MHz

Table of Contents

Warning 2
Features 4
Precautions 5
Location and function of controls 6
Power sources 12
Setting the clock 15
Preset station tuning 21
Direct tuning 23
Manual tuning 25
Scan tuning 30
Memorizing stations 32
How to set the timer 37
How to set the alarm 42
Sleep timer operation 46
External antenna connection 47
Recording a broadcast 50
Troubleshooting guide 52
Specifications 54

Features

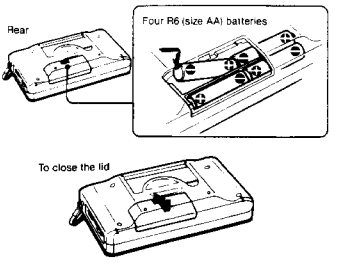
- An LW/MW/SW/FM portable receiver with worldwide band coverage.
- Quartz controlled PLL (Phase Locked Loop) synthesizer system using a microcomputer makes pinpoint tuning easy.
- Worldwide clock for international use.
- Smooth tuning with manual rotary tuning dial.
- Four tuning methods are available: Preset Station Tuning, direct tuning, manual tuning and scan tuning
  Preset Station Tuning... Tuning in a preset station by selecting the page and pressing the memory button. Each page accomodates 5 stations and up to 125 stations can be preset. For each page, a title label can be input. (Page ●)
  Direct tuning... Tuning in the station by inputting the frequency of the station directly. (Page ●)
  Manual tuning... Tuning in the station by turning the dial. Even if you don't know the frequnecy of the station, you can tune in the station precisely. (Page ●)
  Scan tuning... Scanning the stations automatically. (Page ●)
- Other features
  Current time in some place in the world can be checked. (Page ●)
  Clock display... You can select between the local time and the UTC (Universal Time Coordinated) time indication. (Page ●)
  5 timer settings... You can preset a desired station to be received at a desired time. (Page ●)
  5 alarm settings... Buzzer and title will tell you the time. (Page ●)
  Sleep timer... Turns the radio off automatically within 60, 45, 30 or 15 minutes. (Page ●)
  Three different power sources: internal batteries, house current and car battery.



1 Battery empty indication ●
2 Key protect indication ●
While this indication appears, all the functions of the buttons and dial are locked.
3 AM band and SW meter band
4 TRY AGAIN! indication ●
Appears when the frequency outside the frequency range is input.
5 PAGE number, AL (alarm) FU (AM function) indication
6 ▲ indication
Indicates the memory which is being selected.
7 SIGNAL/BATTERY (signal strength/battery) meter ●
8 Band, frequency and CAL indication
CAL appears when power is supplied or when calibration adjustment is made.
9 FAST SLOW LOCK (dial tuning mode) indication ●
10 LABEL EDIT indication ●
11 AM mode indication
9kHz or 10kHz MW channel step indication
AM USB LSB indication
WIDE NARR (wide or narrow selectivity) indication
12 Memories (1 to 5)
The numbers (from 1 to 5) correspond to memory buttons (M1 to M5). A frame appears around a memory number when the station is preset in that memory.
13 AM function indication
CAL (calibration), 9k/10k, MODE (AM, USB or LSB mode), W/N (wide or narrow selectivity).

Power Sources

Install four R6 (size AA) batteries with correct polarity as illustrated.



Battery replacement

Check the battery condition by pressing the LIGHT/BATT CHECK button. When the SIGNAL/BATTERY meter stays at the position 2-3, the battery empty indication begins to flash. Prepare new batteries when the ⊏⊐ (battery empty) indication flashes. If this indication lights steadily, which shows that the batteries are completely exhausted, radio reception becomes impossible.

Battery replacement should be made within 3 minutes because all the memorized data except for the page memory (pages from 1 to 25) will be erased if more than 3 minutes have passed.

Notes

- Even when the unit is not to be used for a long period of time, keep the batteries installed for the back-up of the clock and the built-in computer.
- The internal batteries do not discharge while the power is supplied through the AC power adaptor or from a car battery. However, keep the batteries installed as a back-up in case of sudden power interruption or removal of the car battery cord.

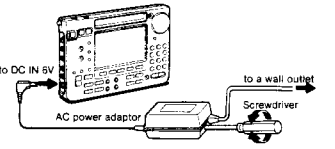
Battery life

You can expect Sony SUM-3 (NS) batteries to last for about 10 hours for FM reception and 7 hours for AM reception. This assumes listening for four hours a day at normal volume.

House Current

Use the supplied AC power adaptor. The AC power adaptor operates either on 110 – 120V or 220 – 240V.

Connect the AC power adaptor to DC IN 6V and the other end to a wall outlet.



Notes

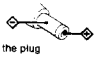
- Before connecting the AC power adaptor, be sure to set the voltage of the adaptor to the local power line voltage.
- For the customers whose unit is supplied with an AC plug adaptor: Use it if the AC power adaptor does not match the outlet.

For the customers in the U.K. and in the U.S.A.

The AC power adaptor operates only on 240V AC (U.K.) and only on 120V AC (U.S.A.), so adjustment of the voltage setting is not necessary.

Note on the AC power adaptor

Use only the supplied AC power adaptor. Do not use any other AC power adaptor.

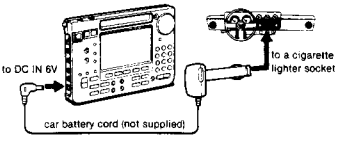


Polarity of the plug

Power Sources

Use the Sony DCC-E160L car battery cord (not supplied).

Connect the car battery cord to DC IN 6V and the other end to a cigarette lighter socket of the car.

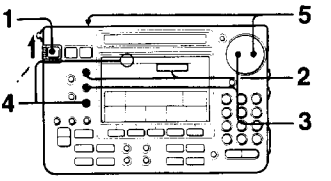


Notes

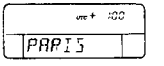
- When the AC power adaptor or car battery cord is connected to the DC IN 6V jack, the internal batteries (if present) are automatically disconnected. (See page ●).
- While using the unit with the car battery cord, you may hear a noise caused by the spark in a car engine. This is not malfunction of the unit.

Setting the Clock

Before setting the clock, check the time difference between the local time in your area and the UTC time by referring to the table in page ●. Some city names and their time difference from UTC are already memorized at the factory.



1 Set POWER/LOCK to POWER.
2 Check the current time indication.
When the LOCAL current time appears, skip this step.
When the UTC current time appears, press UTC/LOCAL button.
3 While pressing TIME DIFF SET, turn the TUNE/JOG dial until your city name or the time difference* between your local time and the UTC time appears.



While pressing TIME DIFF SET, the ✱ indication (if already displayed) disappears temporarily.

4 When "summer time" is not used in your area or ✱ is already displayed, skip this step.
Press SUMMER ON/OFF if your area is now in the "summer time" period (under daylight saving time).
✱ appears.
5 While pressing TIME SET, turn the TUNE/JOG dial to adjust the current local time.

The clock starts operating.

Notes

- When pressing TIME SET, city name or time difference appears.
- Current UTC time is displayed when you press the UTC/LOCAL button. (UTC indication appears).

*Here, this means time difference during the standard time as shown in the table in page ● (not under daylight saving time).

Zero second adjustment

If you want to adjust the time exactly to the second with a telephone time signal, proceed as in the following example.
Example: To set to 15:15

1 Adjust the time indication to 15:15 in step 5 in page ●, release TUNE/JOG but keep TIME SET pressed.
2 Release TIME SET simultaneously with the telephone time signal. The clock begins to show the precise time.

Note

Zero second adjustment is not made by pressing TIME SET only. Once turn the TUNE/JOG dial while pressing TIME SET.

Difference between local time and UTC (Universal Time Coordinated)

The table shows the difference between the local time and the UTC time in each area. The differences marked with a plus sign (+) indicate the number of hours ahead of the UTC. The differences marked with a minus sign (−) indicate the number of hours behind the UTC.
To see the time difference during the period for daylight saving time or "Summer Time" (if necessary), add one hour to the difference indicated in the table.

Area or city	Label preset	Time difference
Argentina		−3:00
Buenos Aires	BUENOS A	−3:00
Australia		
Sydney	SYDNEY	+10:00
Darwin		+9:30
Perth	PERTH	+8:00
Austria		+1:00
Vienna	VIENNA	+1:00
Bangladesh		+6:00
Dacca	DACCA	+6:00
Belgium		+1:00
Brussels	BRUSSELS	+1:00
Brazil		
Sao Paulo	SAO PAUL	−3:00
Rio de Janeiro		−3:00
Manaus		−4:00
Canada		
Vancouver	VANCOUVE	−8:00
Calgary	CALGARY	−7:00
Toronto	TORONTO	−5:00
Montreal	MONTREAL	−5:00
Canary islands	CANARY	+0:00
Chile		−4:00
Santiago	SANTIAGO	−4:00

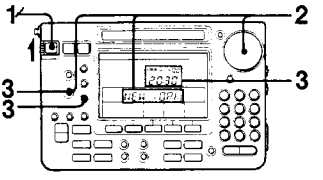
Area or city	Label preset	Time difference
China (P.R.)		+8:00
Beijing	BEIJING	+8:00
Denmark		+1:00
Ecuador		−5:00
Egypt		+2:00
Cairo	CAIRO	+2:00
Fiji Island	FIJI	+12:00
Finland		+2:00
Helsinki	HELSINKI	+2:00
France		+1:00
Paris	PARIS	+1:00
Germany		+1:00
Berlin	BERLIN	+1:00
Greece		+2:00
Athens	ATHENS	+2:00
Hawaii		−10:00
Honolulu	HONOLULU	−10:00
Hong Kong	HONGKONG	+8:00
India		+5:30
Calcutta	CALCUTTA	+5:30
Indonesia		
Jakarta	JAKARTA	+7:00
Iran		+3:30
Tehran	TEHRAN	+3:30
Italy		+1:00
Rome	ROME	+1:00
Japan		+9:00
Tokyo	TOKYO	+9:00
Kenya		+3:00
Nairobi	NAIROBI	+3:00
Korea (D.P.R.)		+9:00
Seoul	SEOUL	+9:00
Malaysia		+8:00
Mexico		
Tijuana		−8:00
Acapulco	ACAPULCO	−6:00
Mexico	MEXICO	−6:00
Maldives	MALDIVES	+5:00
Netherlands		+1:00
Amsterdam	AMSTERDA	+1:00
New Caledonia		+11:00
Noumea	NOUMEA	+11:00
New Zealand		+12:00
Auckland	AUCKLAND	+12:00
Norway		+1:00
Pakistan		+5:00
Karachi	KARACHI	+5:00

Area or city	Label preset	Time difference
Panama		−5:00
Panama	PANAMA	−5:00
Peru		−5:00
Lima	LIMA	−5:00
Philippines		+8:00
Poland		+1:00
Portugal		+0:00
Saudi Arabia		+3:00
Riyadh	RIYADH	+3:00
Senegal		+0:00
Dakar	DAKAR	+0:00
Singapore	SINGAPOR	+8:00
Spain		+1:00
Madrid	MADRID	+1:00
Sri Lanka		+5:30
Sweden		+1:00
Stockholm	STOCKHOL	+1:00
Switzerland		+1:00
Zurich	ZURICH	+1:00
Tahiti Island		−10:00
Taiwan		+8:00
Thailand		+7:00
Bangkok	BANGKOK	+7:00
United Arab Emirates		+4:00
Dubai	DUBAI	+4:00
United Kingdom		+0:00
London	LONDON	+0:00
USA		
Anchorage	ANCHORAG	−9:00
San Francisco	SAN FRAN	−8:00
Los Angeles	LOS ANGE	−8:00
Denver	DENVER	−7:00
Chicago	CHICAGO	−6:00
Dallas	DALLAS	−6:00
New York	NEW YORK	−5:00
USSR		
Moscow	MOSCOW	+2:00
Venezuela		−4:00
Caracas	CARACAS	−4:00

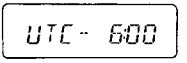
For areas where "summer time" (daylight saving time) is used
Press SUMMER ON/OFF during the summer time period to make ☀ appear, as stated in step 4 in page ●, and press again at the end of the summer time. The time indication will be changed automatically. When the clock has been set during the standard time period, press SUMMER ON/OFF at the beginning of the summer time. The time indication will change to the summer time indication.

In the

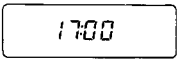
Even while you are listening to the radio, you can know the time in some other place in the world without affecting the radio reception.



1 Set POWER/LOCK to POWER.
2 While pressing WORLD TIME, turn the TUNE/JOG dial until the desired city name or the time difference* between desired place and the UTC appears.



3 Keep pressing WORLD TIME. Keep pressing SUMMER ON/OFF if your desired place is in the summer time period. Read the time shown in the display.
Also you can read the time difference between your local time and the time in your desired place, which is displayed just above the current time.



*Here, this means time difference as shown in the table in page ●.

Setting the Clock

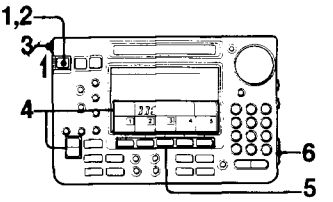
Press NIGHT/TIME DIFF.
The area on the world map where it is night (from about 18:00 to 6:00) will be shaded. This is useful as a reference for better reception of SW, because SW is received better in the nighttime than in the daytime.

Adjust the time difference only. Local time can be changed by adjusting the time difference.

Note
The UTC time, local time and the time difference are related to each other as follows:
(Time difference) = (Local time) – (UTC time)

Preset Station Tuning

Once the frequencies of the stations are preset, you can tune in the station easily just by selecting the page and pressing the necessary memory button.
Some stations are already preset in this unit at the factory. Let's try to receive some of the preset stations.



The illustration does not necessarily show the preset memory or station.

1 Set POWER/LOCK to POWER.
2 Press ON/OFF.
3 Extend the antenna. See page ●.
4 Press PAGE FEED + or – to find a page where a title label is already written.
A frame appears around the memory number.
5 Press an M1 – M5 which corresponds to the memory number inside a frame.
6 Adjust VOLUME.
After listening, turn off the radio by pressing ON/OFF.

You can also preset the stations according to your own preference. See page ●.

Notes
- Tuning conditions differ very much according to the area, time, broadcasting condition, etc., so you may not be able to tune in the station with these procedures. If you cannot, try another memory or page for another station.
- When power is supplied, calibration adjustment is made automatically. (CAL indication appears.) But, when transporting the unit to a place where the temperature is very different than before, proceed as follows:
  1 Press AM.
  2 Press AM FUNCTION.
  3 Press M1.
  AM calibration adjustment will be made in a moment.
  4 Press AM FUNCTION again.

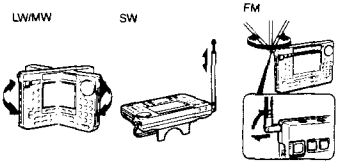
Preset Station Tuning

Adjust the antenna as illustrated.

For LW/MW reception
Retract the telescopic antenna. The built-in ferrite bar antenna activates. Since this antenna is directional, rotate the unit horizontally for optimum direction.

For SW reception
Pull out the telescopic antenna to its full length and set it vertically.

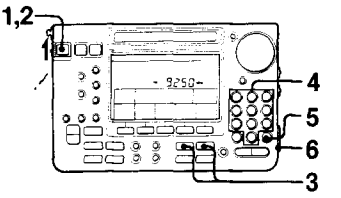
For FM reception
Pull out the telescopic antenna to expose its swivel base and adjust its length, angle and direction.



Notes
- Adjust the antenna within the range as illustrated. Be careful not to turn the antenna forcibly because it might be broken.
- If there is a fluorescent lamp just above the radio and the reception is noisy, keep the radio away from the lamp.
- If reception is unsatisfactory with the telescopic antenna or the built-in ferrite bar antenna, connect an external antenna for AM (LW/MW) and SW. See page ● for details.
  External antenna connection for FM cannot be done.
- In vehicles or buildings, radio reception may be difficult or noisy. Try listening near the window.
- If the received sound is distorted or noisy, adjust the antenna carefully.

Direct Tuning

If you know the frequency of a station to be received, you can tune in the station easily by direct tuning.

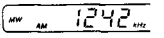


1 Set POWER/LOCK to POWER.
2 *Press ON/OFF.*
3 Select the desired band by pressing FM or AM.
  For LW, MW or SW, press AM.
4 Input the frequency of the desired station by pressing DIRECT TUNING numeric buttons.
5 Press EXE.
6 Adjust VOLUME.

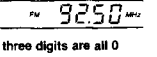
After listening, turn off the radio by pressing ON/OFF.

To input a frequency

Example: AM 1,242kHz
AM → ① → ② → ④ → ② → EXE

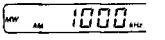


Example: FM 92.5MHz
FM → ⑨ → ② → ⑤ → EXE

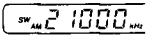


To input an AM frequency whose three digits are all 0

Example: AM 1,000kHz
AM → ① → EXE



Example: AM 21,000kHz
AM → ② → ① → EXE



Direct Tuning

Notes

- After pressing a numeric button, press next one within 5 seconds. If you do not, the indication will return to the previously received station.
- With direct tuning, the frequency is displayed in steps of the following intervals, depending on the band.
  AM: 1kHz
  FM: 0.05MHz
  If you input a frequency between the intervals, the frequency at the interval just below will be tuned in and displayed.
  For example, if you input FM 92.59MHz, FM 92.55MHz will be tuned in and displayed.

If "TRY AGAIN!" indication appears

You have input the frequency outside the frequency range. Try again to input the appropriate frequency.

If you notice a mistake while inputting

Press EXE once and input the frequency again.

On AM SENS selector

For AM reception, normally set AM SENS in the left side to NORM. If the received station is very weak, set it to DX and if received station is too strong to become distorted, set it to LOCAL.

On MONO STEREO selector (only for listening through stereo earphones)

For FM reception, normally set MONO STEREO in the right side to STEREO. When it is hard to hear the broadcast due to noise, set to MONO. The reception will be more stable and noise will be reduced. In this mode, there is no stereo effect.

When you are listening to the news

Set TONE in the right side to NEWS. Human voice will be heard more clearly. When you are listening to music, set it to MUSIC.

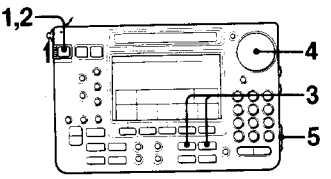
What is key protection?

When KEY PROTECT is pressed, ⊶ appears on the display. While it is displayed, all the functions of the buttons and dial are locked, even though you can press or turn them. This prevents accidental change of the received station.
To release the key protection, press KEY PROTECT again.

Manual Tuning

Use manual tuning when you do not know the frequency of the station you want to tune in, or when you want to tune in judging with your own ears. There are two ways of tuning in: Dial tuning and Step tuning.

Dial Tuning



1 Set POWER/LOCK to POWER.
2 Press ON/OFF.
3 Select the desired band by pressing FM or AM.
  For LW, MW or SW reception, press AM.
4 Turn the TUNE/JOG dial to search for the desired station.
  Turn the dial clockwise for higher frequencies and counterclockwise for lower frequencies.
5 Adjust VOLUME.

After listening, turn off the radio by pressing ON/OFF.

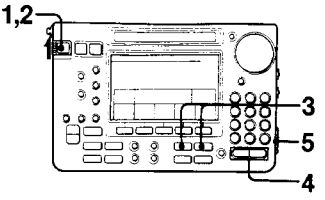
Notes

- The frequency changes in the following steps according to the dial tuning mode set to FAST or SLOW. Setting is adjusted by the FAST/SLOW/LOCK button.

	FAST	SLOW
FM	0.5MHz	0.05MHz
AM	1kHz	approx. 0.1kHz*

*Indication of each 0.1kHz does not appear.

- For AM reception in USB or LSB, set the tuning mode to SLOW and turn the TUNE/JOG dial slowly.



1 Set POWER/LOCK to POWER.
2 Press ON/OFF.
3 Select the desired band by pressing FM or AM.
For LW, MW or SW reception, press AM.
4 Press the STEP/SCAN -⏮ or ⏭+, to search for the desired station.
One push changes the AM frequency in the steps shown in the table in page ●.
Tune in the station more precisely with the TUNE/JOG dial.
For FM, the frequency changes every 0.05MHz.
5 Adjust VOLUME.
After listening, turn off the radio by pressing ON/OFF.

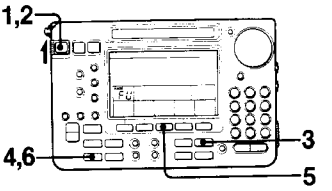
How to use the AM BAND + or AM BAND – button

In AM reception, when you press this button, frequency indication will jump to the lowest frequency in the neighboring frequency range.

To prevent the frequency from fluctuating when the TUNE/JOG dial is accidentally touched

Set the dial tuning mode to LOCK by pressing FAST/SLOW/LOCK.

The MW channel step is factory-set to 9kHz or 10kHz to match the frequency allocation system of the country. If you use the radio where the frequency allocation system is based on the other interval, proceed as follows:

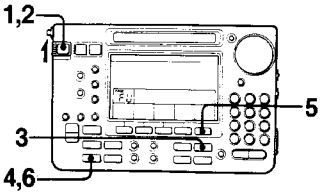


1 Set POWER/LOCK to POWER.
2 Press ON/OFF.
3 Press AM.
4 Press AM FUNCTION.
5 Press M3.
The channel step has been changed.
Display changes to 9k or 10k vice versa.
6 Press AM FUNCTION again.

The frequency allocation of the area

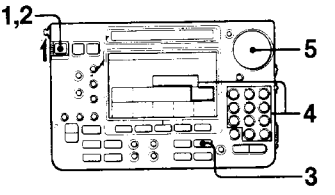
Area	Frequency allocation for MW
North America, South America	10kHz step
Other countries	9kHz step

Selectivity for this unit is adjusted WIDE or NARR (narrow) automatically according to the frequency input. But if the reception is poor because of too much noise or interference, proceed as follows:

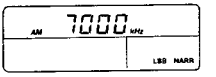


1 Set POWER/LOCK to POWER.
2 Press ON/OFF.
3 Press AM.
4 Press AM FUNCTION.
5 Press M5.
The indication changes to WIDE or NARR vice versa. The reception will be improved.
6 Press AM FUNCTION again.

For SSB reception, proceed as follows:



1 Set POWER/LOCK to POWER.
2 Press ON/OFF.
3 Press AM.
4 Input the frequency with DIRECT TUNING numeric buttons and EXE.
Display changes automatically to LSB or USB according to the frequency input.
Example: 7 → EXE



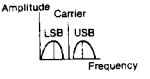
5 Turn the TUNE/JOG dial to find a station.
Finally tune in with the TUNE/JOG dial with the dial tuning mode set to SLOW.

If you want to manually change the display among LSB, USB or AM

Press AM FUNCTION, then press M4.

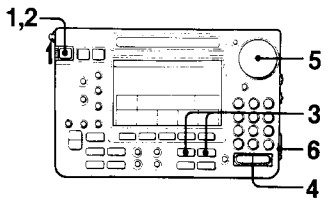
What is SSB?

SSB is very popular among ham and business radio and will be found on all of the amateur bands because of its signal intelligibility.
In general, SSB transmissions employ USB modulation, and for amateur bands lower than 10MHz, LSB is often used.



Scan Tuning

Use scan tuning to automatically scan the stations in the frequency range of a broadcast band.



1 Set POWER/LOCK to POWER.
2 Press ON/OFF.
3 Select the desired band by pressing FM or AM.
4 Press STEP/SCAN -◁ or ▷+ for about 1 second.
Within the frequency range of the table in page ●, scan tuning will begin and stop automatically when a station is received.
5 Tune in the station more precisely with the TUNE/JOG dial if necessary.
6 Adjust VOLUME.

After listening, turn off the radio by pressing ON/OFF.

The frequency range and tuning interval of each broadcast band

Frequency (kHz)	Display (Meter band)	Repeat scan	Scanning interval	AM Mode
150 – 282	LW	Yes	3kHz	AM WIDE
283 – 530	LW		3kHz	AM WIDE
*283 – 529	LW		3kHz	AM WIDE
531 – 1602	MW	Yes	9kHz	AM WIDE
531 – 1710	MW	Yes	*10kHz	AM WIDE
1603 – 2249	SW		5kHz	USB NARROW
*1711 – 2249	SW		5kHz	LSB NARROW
2250 – 2550	120m	Yes	5kHz	AM WIDE
2551 – 3149	SW		5kHz	USB NARROW
3150 – 3450	90m	Yes	5kHz	AM WIDE
3451 – 3499	SW		5kHz	USB NARROW
3500 – 3849	SW		5kHz	LSB NARROW
3850 – 4050	75m	Yes	5kHz	AM WIDE
4051 – 4699	SW		5kHz	USB NARROW
4700 – 5100	60m	Yes	5kHz	AM WIDE
5101 – 5899	SW		5kHz	USB NARROW
5900 – 6250	49m	Yes	5kHz	AM WIDE
6251 – 6999	SW		5kHz	USB NARROW
7000 – 7099	SW		5kHz	LSB NARROW
7100 – 7400	41m	Yes	5kHz	AM WIDE
*7100 – 7400	SW		5kHz	LSB NARROW
7401 – 9399	SW		5kHz	USB NARROW
9400 – 10000	31m	Yes	5kHz	AM WIDE
10001 – 11499	SW		5kHz	USB NARROW
11500 – 12150	25m	Yes	5kHz	AM WIDE
12151 – 13499	SW		5kHz	USB NARROW
13500 – 13900	21m	Yes	5kHz	AM WIDE
13901 – 14999	SW		5kHz	USB NARROW
15000 – 15700	19m	Yes	5kHz	AM WIDE
15701 – 17449	SW		5kHz	USB NARROW
17450 – 18000	16m	Yes	5kHz	AM WIDE
18001 – 21449	SW		5kHz	USB NARROW
21450 – 21950	13m	Yes	5kHz	AM WIDE
21951 – 25599	SW		5kHz	USB NARROW
25600 – 26100	11m	Yes	5kHz	AM WIDE
26101 – 29999	SW		5kHz	USB NARROW

*When MW channel step is 10kHz.

Note

In some countries, it is impossible to receive some frequencies. The frequency ranges which can be received are indicated on the bottom exterior of your unit.

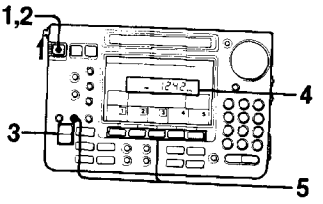
Memorizing Stations

This section describes how to memorize stations for Preset Station Tuning.
Some stations are already preset at the factory.

Note on the page "00"
The preset stations memorized in page "00" can also be used as the memories for timer operation (see page ●).
To memorize in page "00", press TIMER MEMORY in the step 3 of the next section and do the same procedures as described.

[redacted]

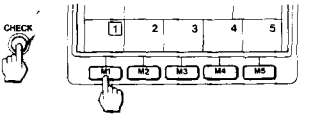
Up to 125 stations can be memorized in the pages from 1 to 25 (Each page accommodates 5 stations).



1 Set POWER/LOCK to POWER.
2 Press ON/OFF.
3 Press PAGE FEED + or – to select the desired page for memorizing.
4 Tune in the desired station by direct, manual or scan tuning. (See pages ●, ● and ●.)
5 While pressing ENTER, press an M1 – M5 which corresponds to the memory number where you want to memorize.
A frame appears around the memory number which tells you that the memorizing has been completed.

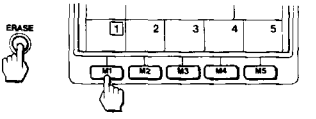
Note
Frequency, AM/USB/LSB and AM band width (WIDE or NARR) are memorized.

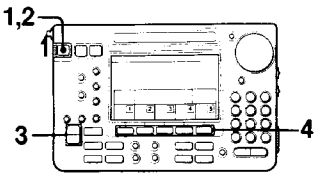
To check which station is memorized
While pressing CHECK, press an M1 to M5 whose memory should be checked. The frequency already preset in that memory is shown in the display independently of the station now being received.



While the memory button is pressed, the SIGNAL meter indication disappears.

To erase the memorized station
If you memorize a station in the same memory (1 – 5), the previous station is erased automatically. If you want to erase the station without adding a new one: while pressing ERASE, press the corresponding memory button (M1 – M5).
The frame around the memory number disappears which shows that memory has become vacant.





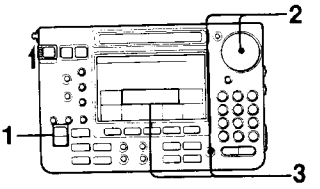
1 Set POWER/LOCK to POWER.
2 Press ON/OFF.
3 Press PAGE FEED + or – to select the page.
4 Press an M1 – M5 whose memory number is surrounded with in a frame.

When you go back to the latest page

Each time you press LAST PAGE, the number of the page previously memorized or received is displayed. In total, 8 pages are shown in this descending order. This button is convenient to use to go back to a station you often listen to.

Titles can be added in each page from 1 to 25. You can also use the titles preset at the factory.
In page "00", TIMER (M) label is already memorized and cannot be erased.

When using a title preset at the factory



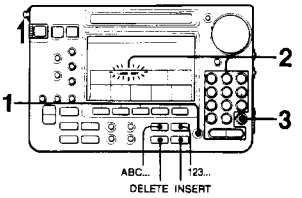
1 Press PAGE FEED + or – to select the page.
2 While pressing LABEL EDIT, turn the TUNE/JOG dial.
Titles already preset appear in the display.
3 Release LABEL EDIT when you find the desired title.
Now the title label is memorized.

The preset title labels are as follows:
BBC, D-WELLE, R-BEIJIN, R-FRANCE, R-JAPAN, R-MOSCOW, VOA, APPOINTM (appointment), MEETING, TELEPHON (telephone)

Memorizing Stations

When adding your own title

You can make a title which has up to 8 characters. Letters, numerals or marks such as ( ) / + − * are used.
Freely think out your own titles such as JAZZ, POPS, NEWS, FM or AM according to the stations memorized in the same page.



1 Press LABEL EDIT.
2 While the LABEL EDIT indication flashes, select the first character with the numeric/letter/mark buttons. Each time you select one character, press STEP/SCAN⇦/⇨, then move to the next character to be selected.
3 At the end of the title, press EXE.
Now your own title label has been memorized.

Note

LABEL EDIT indication flashes for about 20 seconds after pressing any button. When no character is input during this period, the indication returns to the previous condition. In this case, press LABEL EDIT to try again.

To select the character to input

Numeric buttons work as letter buttons when the ABC... (FM) button is pressed and they return to numerals when the 123... (AM) button is pressed. One button comprises three letters. For example, if you press the button "1" continuously, the character changes from A → B → C and A.

To delete or add the character

1 Press LABEL EDIT.
2 Press STEP/SCAN -⇦ or ⇨+ to make the flashing move to the desired position.
3 To delete the flashing character, press DELETE (AM BAND +).
To add a character, press INSERT (AM BAND −) to make a space and select the desired character.
4 Press EXE.

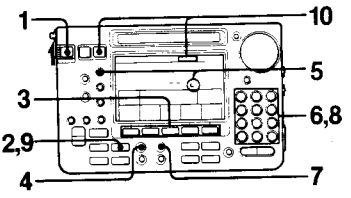
How to Set the Timer

You can set up to 5 different memories for timer operation. The memories are those preset in page "00". (See page ●)

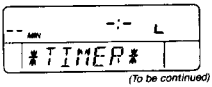
Before setting the timer, make sure that the desired station is memorized in the desired memory number. In page "00", if a frame does not appear around the desired memory number, see page ● and memorize it.

Note

When you take longer than 20 seconds to proceed a step, the unit returns to the condition just before step 2. In this case, proceed again from step 2.



1 Set POWER/LOCK to POWER.
The ON/OFF button can be at either ON or OFF.
2 Press TIMER SET.
A frame appears around the memory number where the station is memorized in page "00".
The ✱TIMER✱ appears. The time itself and operation time appear when they have been already input. These are the memorized contents in the memory which ▲ points.
When nothing is memorized, − (minus) appears.



(To be continued)

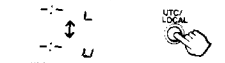
How to Set the Timer

(Continued)

3 Press the corresponding M1 to M5 button to place ◂ in the desired memory from 1 to 5. The memories 1 – 5 correspond to the broadcasting stations preset in page "00".

4 Press START TIME.
The START TIME indication flashes.

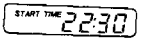
5 Check the L or U indication.



L: Timer will be set according to the local time.
U: Timer will be set according to UTC.
To change the indication, press the UTC/LOCAL button.

6 *Input the timer-on time* directly with the numeric buttons, ⏲ button, numeric buttons and finally EXE.

Example
② → ② → ⓘ → ③ → ⓪ → EXE



For a little further adjustment, while pressing the START TIME, turn the TUNE/JOG dial.

7 Press OPR TIME.
OPR TIME and *MIN flash.*

8 Input the time length of the timer operation in minutes *(from 1 to 199 minutes)* with the numeric buttons and finally press EXE.

Example ③ → ⓪ → EXE

⊖ indication appears, but the timer is not completely *prepared at this stage. Follow* the next steps.
Time length can be also adjusted as follows: While pressing *OPR TIME, turn the TUNE/JOG dial.*

9 Press *TIMER SET to quit the ✱TIMER✱ page.*

10 Press STANDBY so that STANDBY indication appears.
When the STANDBY is already indicated, this step is not necessary.

Now the timer is set to activate. At the preset time, selected memory will start even when the power is turned off (but at least POWER/ LOCK *should be set at POWER*) or when you are listening to another station.

Example
In page 00: station A is preset in memory "1"
In memory "1" in ✱TIMER✱ page: the starting time is set at 23:30 and operation time is set for 90 minutes
—Station A will start at 23:30 and disconnect after 90 minutes.
(Remaining time indication reduces from 90 MIN.)

Note on STANDBY button

The STANDBY button activates all the timer and alarm settings at once. After a setting has been completed by pressing the STANDBY button, all new settings in either the timer or alarm page are automatically activated when you quit the page. The (STANDBY) indication which appeared during the setting changes to STANDBY at that time and the unit enters the standby condition. If you press the STANDBY button again (in step 10), all the settings will be deactivated and the unit will not operate at the set time.
You should be accustomed to make sure the indication STANDBY when using timer or alarm!

What is ⏲ mark?

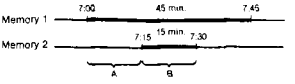
This shows that the following three conditions are satisfied:
- A station is preset in that memory.
- Timer-on time is set.
- Timer operation time is set.

But this does not mean that the timer is set. Always make sure of the STANDBY indication after timer setting. When STANDBY indication does not appear, the timer will NOT activate.

How to Set the Timer

When two or more memories overlap, priority is transferred one and after to the memory whose timer-on time is the earliest.

Example
Memory 1 (station A is preset)
Memory 2 (station B is preset)



Station A starts at 7:00 and will be replaced with station B at 7:15 and station B will stop at 7:30. At that time, station A will not start again and the power will be disconnected.

Notes

- When you press TIMER SET while the STANDBY indication appears, the indication changes to (STANDBY). If the start time already set comes before you quit the ✱TIMER✱ page, the timer operation will be canceled.
  This also happens in alarm setting, in current time adjustment and in time difference adjustment. If start time comes during these operations, the timer operation will be canceled.
- When the timer activates, SLEEP indication and remaining time indication appear, and they disappear when the remaining time elapses.
- Sound volume of the radio activated by the timer, depends on the VOLUME control setting.

[redacted]

Once you set the timer, the timer will activate at the same time everyday until you release it. To cancel the unnecessary timer operation on a particular day without completely erasing the setting, proceed as follows:

1 Set POWER/LOCK to POWER.
2 Press TIMER SET.
  ✱TIMER✱ appears.
3 Press the M1 – M5 corresponding to the timer memory you don't need that day and press STANDBY.
  The ⏲ mark will disappear from the corresponding memory.
  Pushing STANDBY again, resets the timer operation. The ⏲ mark will come on again.
4 Press TIMER SET.

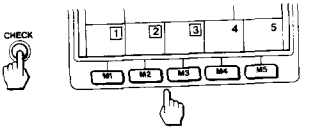
[redacted]

Once you set the timer, the timer will activate everyday. To completely erase the timer setting, proceed as follows:

1 Set POWER/LOCK to POWER.
2 Press TIMER SET.
  ✱TIMER✱ appears.
3 While pressing ERASE, press the corresponding M1 – M5 (regardless of the ⏶ position).
  The settings for start time and operation time in that memory will be cleared.
4 Press TIMER SET.

[redacted]

While pressing CHECK, press an M1 – M5 whose corresponding memory you want to know (a frame appears around the memory number). While CHECK is pressed, the frequency of the station preset in that memory is displayed.

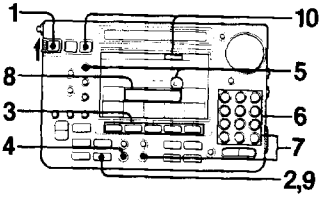


How to Set the Alarm

5 settings of the alarm will tell you the time by buzzer and/or indication.

Note

When you take longer time than 20 seconds to proceed a step, the unit returns to the condition just before step 2. In this case, proceed again from step 2.



1 Set POWER/LOCK to POWER.
The ON/OFF button can be at either ON or OFF.
2 Press ALARM SET.
"AL" indication appears. The time itself and beep type appear when they have been already input. These are the memorized contents in the memory which "▲" points. When nothing is memorized, – (minus) appears.

3 Select the memory with an M1 – M5.
The ▲ mark will move to the corresponding memory 1 – 5.
4 Press ALARM TIME.
START TIME indication flashes.
5 Check the L or U indication.
L: Alarm will be set according to the local time.
U: Alarm will be set *according to the UTC.*
To change the indication, press UTC/LOCAL button.
6 *Input the alarm-on time.*
Input the time directly with the numeric buttons, : button, numeric buttons and finally EXE.
For further adjustment, while pressing ALARM TIME, turn the TUNE/JOG dial.

7 Press BEEP TYPE and select the type of alarm sound with the numeric buttons and EXE. The trial beep will sound when pressing numeric buttons (except for the beep type 0).
Beep type 0 ... No sound but title will appear and "🔔" will flash to notify you without disturbing others.
Beep type 1 – 8 ... Beep sound will be heard once to 8 times.
Beep type 9 ... Wake-up beep will sound.
Now "🔔" appears in the selected memory.
Beep type can be also selected as follows: While pressing BEEP TYPE, turn the TUNE/JOG dial to select from 0 to 9. The trial beep will sound when BEEP TYPE is released (except for the beep type 0).
8 Enter the alarm title for each memory in the same way as for title editing on page ●, if necessary.
The alarm is not completely set at this stage. Follow the next steps.
9 Press ALARM SET to quit the alarm page.
"AL" *indication disappears.*
10 Press STANDBY so that STANDBY indication appears.
If STANDBY has been already indicated, this step is not necessary.

Now the alarm is set to activate.
At the time set, buzzer sound will be heard and the "🔔" mark in the selected memory will flash. The display will be illuminated for about 15 seconds.
The title will continue to be displayed for about 1 hour. To make the title disappear, press any button. (If "🔑" is displayed, press KEY PROTECT and then press any other button.)
Wake-up beep (beep type 9) will continue for about 1 hour. To stop the beep, press any button.

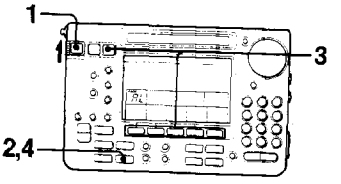
Note on STANDBY button

The STANDBY button activates all the timer and alarm settings at once. After a setting has been completed by pressing the STANDBY button, all new settings in either the timer or alarm page are automatically activated when you quit the page. See page ● for details.

How to Set the Alarm

To Cancel the Alarm Setting

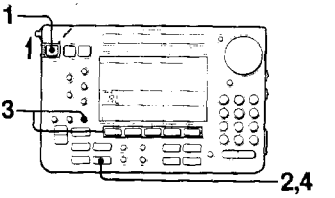
Once you set the alarm, the alarm will activate at the same time everyday until you release it. To cancel the unnecessary alarm operation on a particular day without completely erasing the setting, proceed as follows:



1 Set POWER/LOCK to POWER.
2 Press ALARM SET.
3 Press the M1 – M5 button corresponding to the alarm memory you don't need that day and press STANDBY.
The "⌂" mark will disappear from the corresponding memory.
Pushing STANDBY again, resets the alarm operation. The "⌂" mark will come on again.
4 Press ALARM SET.

To Erase the Alarm Completely

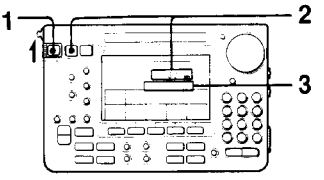
Once you set the alarm, the alarm will activate everyday.
To completely erase the alarm setting, proceed as follows:



1 Set POWER/LOCK to POWER.
2 Press ALARM SET.
"AL" appears.
3 While pressing ERASE, press M1 – M5 (regardless of the ▲ position) of the alarm memory you want to cancel.
The settings for alarm time and beep type in that memory will be cleared. (Title label will remain.)
4 Press ALARM SET.

Sleep Timer Operation

You can fall asleep while listening to the radio.



1 Set POWER/LOCK to POWER.
The ON/OFF can be at either ON or OFF.
2 Press SLEEP until desired time length of timer is displayed.
It changes from 60 → 45 → 30 → 15 minutes.
3 Tune in the desired station and adjust the volume.
The radio will be turned off automatically after the time set.

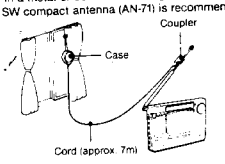
To turn off the radio before the time being set
Press ON/OFF, or press SLEEP until the UTC time difference is displayed.

When setting both sleep timer and alarm
You can fall asleep listening to the radio and wake up by the alarm.

External Antenna Connection

— For better SW reception

Usually the telescopic antenna is sufficient for SW reception. However, in a metal or concrete building, the use of the supplied SW compact antenna (AN-71) is recommended.



1 Fully pull out the cord from the case.
2 Attach the coupler to the telescopic antenna.
3 When the window can be opened: Extend the cord and the case out through the window, after making sure there is no danger.
When the window cannot be opened: Fully extend the cord along the frame of the window.

After using

External Antenna Connection

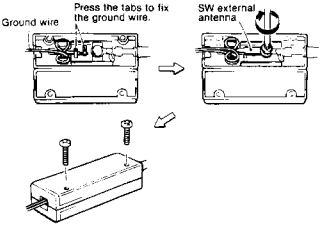
Use of the External Antenna (Not Supplied)

For SW reception

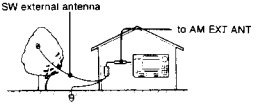
Usually, the telescopic antenna is sufficient for SW reception. However, in a building or for more stable SW reception, use an SW external antenna (not supplied) with the supplied antenna connector. You can also use the wide range antenna AN-1 or AN-102 (not supplied, see page ● for details).

Connection

1 Connect the ground wire (if necessary) and the spade lug on the SW external antenna to the terminals on the supplied antenna connector, close the lid and tighten the screws.



2 Connect the antenna connector to the AM EXT ANT jack of the unit.



When reception is noisy, connect one end of a ground wire to the antenna connector as illustrated and the other end direction to a convenient earth ground.

For LW/MW/SW Reception

Use the wide range antenna AN-1 or AN-102 (not supplied). There are two methods.

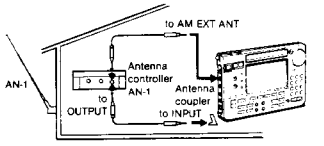
Method A

With a connecting cord, connect the OUTPUT jack of the antenna controller (supplied with the AN-1 or AN-102) and the AM EXT ANT jack of the ICF-SW55.

Method B (For LW/MW reception only)

1 With a connecting cord, connect the OUTPUT jack of the antenna controller and the INPUT jack of the antenna coupler (supplied with the AN-1 or AN-102).
2 Put the antenna coupler near the ICF-SW55.

Example: When the AN-1 is used.



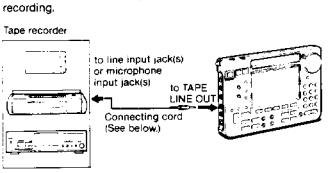
Notes

- When receiving LW or MW broadcasts without any external antenna, be sure to disconnect an SW external antenna. Otherwise, you cannot receive them as the built-in ferrite bar antenna does not function.
- Never connect a ground wire to a gas pipe. Otherwise it could cause a fire.
- If there is lightning, do not touch the wire of an external antenna and disconnect its AC power adaptor (if connected) immediately. Never touch the antenna wire during a lightning storm.
- When using an external antenna, retract the telescopic antenna.
- Locate the outdoor antenna as far away from the street as possible.
- For details about the external antenna, refer to its instruction manual.

Recording a Broadcast

You can record radio programs by connecting a tape recorder to the TAPE LINE OUT jack as illustrated below.

Tune in the desired station and start recording on the tape recorder.
The volume control setting on the radio has no effect on the recording.

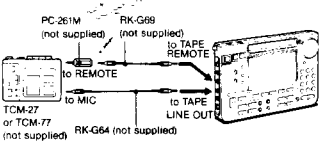


Connecting cord to be used

Type of the jack(s) of the tape recorder		Connecting cord (not supplied)
Line input jack(s)	2 phono jacks	RK-G129
	Stereo minijack	RK-G136
Microphone input jack(s)	minijack (monoaural)	RK-G135

To start recording at the desired time

You can start recording at the desired time by connecting the Sony TCM-27 or TCM-77 cassette-corder (not supplied) to the TAPE LINE OUT and REMOTE jacks as illustrated below. Use RK-G69, RK-G64 connecting cords (not supplied) and a PC-261M plug adaptor (not supplied).



1 Tune in the desired station. (For FM recording, set MONO STEREO to MONO.)
2 Set the Timer (page ●).
3 Set the standby function of the cassette recorder.
For details, see the operating instructions of the cassette-corder.

Note on recording with the timer

You cannot start recording at a desired time if you use the cassette-corder not equipped with the timer standby switch.

Troubleshooting Guide

The following checklist will help you to solve most of the problems that you may encounter with this unit. If problems persist after you have checked the following items, please consult your nearest Sony dealer.

The power is not turned on even if you press the ON/OFF button.
- Weak batteries.
- Incorrect polarity of batteries. See page ●.
- The POWER/LOCK switch is set to LOCK.
- The AC power adaptor or a car battery cord is not connected.
- Battery operation is attempted while the AC power adaptor or a car battery cord is connected to the unit, but not to a wall outlet or cigarette lighter socket.
- The KEY PROTECT button has been pressed. Press the button again to make 🔑 indication disappear.

Radio disconnects even though the ON/OFF button is ON.
- Batteries are exhausted. (The ⌧ mark flashes or stays lit.) Replace all the batteries with new ones.

No display in the time display
- Incorrect polarity of batteries. See page ●.
- Weak batteries.

Display is too dim or too bright.
- The unit is being used under extremely high temperatures or under extremely low temperatures.

Sound is not heard at all.
- The VOLUME control is turned down completely.
- The earphones is plugged in.
- Incorrect polarity of batteries. See page ●.

Very weak or interrupted sound or unsatisfactory reception.
- Weak batteries.
- Tuning or antenna adjustment is not correct. Tune in correctly with manual tuning. See page ●. For antenna adjustment, see page ●.
- Weak signal. When listening in a vehicle or in a building, place the unit near a window.
- The AM SENS selector is set to LOCAL. Set to NORMAL or DX.

Frequency cannot be input during direct tuning.
- You took more time than 6 seconds when inputting the frequency. Try again.
- The frequency you input is outside the frequency range of this unit.

Stations have not been memorized.
- Check the procedures. See page ●.

No button input is acceptable.
- The KEY PROTECT button has been pressed. Press the button again to make 🔑 indication disappear.
- The POWER/LOCK switch is set to LOCK.

The radio is not turned on at the timer-on time.
- The STANDBY button has not been pressed. (STANDBY indication does not appear.) When the STANDBY indication does not appear, the timer will not activate.
- Time setting in the desired memory has not been made. (🕒 indication does not appear in the desired memory.)
- Timer-on time has been adjusted incorrectly. Check the UTC or LOCAL time setting.
- You took more than 3 minutes to replace the batteries. Set the timer again.
- The POWER/LOCK switch is set to LOCK.

Specifications

Circuit system
LW/MW/SW: Dual conversion superheterodyne
FM: Single conversion superheterodyne

Frequency range

Type	Frequency coverage			
	LW	MW	SW	FM
1	150 —	—	29,999kHz	75.0 – 108MHz
2	150 —	—	29,999kHz	87.5 – 108MHz
3	150 – 285kHz	531 – 1,602kHz	3,850 – 26,100kHz	87.5 – 108MHz

Type 1: Countries that are not listed below
Type 2: Germany, Austria, and Scandinavian countries
Type 3: Italy

Intermediate frequency
LW/MW/SW: 55.845MHz (first)
455kHz (second)
FM: 10.7MHz

Antennas
LW/MW: Built-in ferrite bar antenna
SW/FM: *Telescopic antenna*

Speaker
Approx. 7.7 cm (3⅛ inches) dia.

Power output
400 mW (at 10% harmonic distortion)

Outputs
Recording output jack (minijack)
Output level 245 mV (– 10dB)
Output impedance 10 kilohms or less
Earphones jack (stereo minijack)

Power requirements
6 V DC
Four R6 (size AA) batteries
DC IN 6 V jack accepts:
• supplied AC power adaptor

Where purchased	AC power adaptor	Operating voltage
North America except for U.S.A. South America	AC-E602	110 – 120 V/ 220 – 240 V AC, adjustable, 50/60Hz
United States	AC-E604	120 V AC, 60Hz
United Kingdom	AC-E603	240 V AC, 50 Hz
Other countries	AC-E600	110 – 120 V/ 220 – 240 V AC adjustable, 50/60Hz

• DCC-E160L car battery cord (not supplied) for use with 12 V car battery

Battery life
Approx. 10 hours (FM reception)
Approx. 7 hours (AM reception) of listening for four hours a day at normal volume, using Sony SUM-3 (NS) batteries.

Dimensions
194 × 127 × 39 mm (w/h/d)
(7¾ × 5 × 1⅝ inches) including projecting parts and controls with antenna retracted

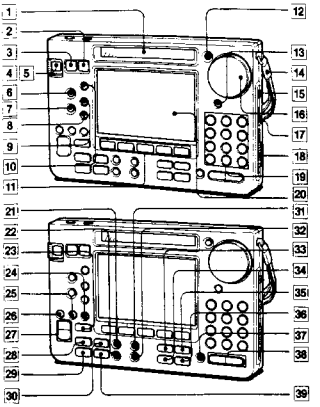
Precautions

- Operate the radio only on 6 V DC with four R6 (size AA) batteries.
For AC operation, use the AC power adaptor supplied for this unit.
For car battery operation, use the car battery cord recommended for this unit.
- The unit is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the unit itself has been turned off.
- Disconnect the AC power adaptor from the wall outlet when the unit is not to be used for a long period of time.
- The nameplate indicating operating voltage, etc., is located on the rear of the unit.
- Use the unit within a temperature range of 0°C to 40°C (32°F to 104°F). If it is used in temperatures outside this range, an irregular display may appear on the display window, if it is used in temperatures lower than this range, the display may change very slowly. These irregularities will disappear and there will be no damage to the unit when the unit is used in its recommended temperature range.
- Do not leave the unit near heat sources, such as radiators or airduct, or in a place subject to direct sunlight, excessive dust, moisture, rain, mechanical vibration, or shock.
- Should any solid object or liquid fall into the unit, remove the batteries, and have the unit checked by qualified personnel before operating it any further.
- Since a strong magnet is used for the speaker, metallic objects such as pins, etc., may cling to the unit. Keep personal credit cards using magnetic coding, recorded tapes, and spring-wound watches away from the unit to prevent damage by the magnet.
- When the casing becomes soiled, clean it with a soft cloth dampened with a mild detergent solution. Never use abrasive cleansers or chemical solvents, as they may mar the case.
- In vehicles or in building, radio reception may be difficult or noisy. Try listening near a window.
- When there is lightning and you are using an external antenna, immediately disconnect the AC power adaptor (if connected) from the wall outlet. Never touch the antenna wire when there is lightning storm.
- Never connect a ground wire to a gas pipe.
- Reception of 753kHz, 1004kHz, 1255kHz, 6024kHz and 6275kHz may be difficult because of internal spurious signals generated by the built-in oscillator.

If you have any question or problem concerning your unit that is not covered in this manual, please consult your nearest Sony dealer.

Location and Function of Controls

Front and Right Side

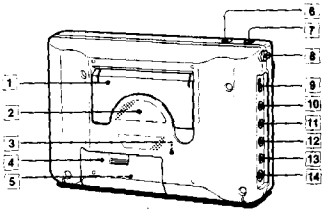


1 Speaker duct
2 STANDBY button ●
3 SLEEP (sleep timer) button ●
4 ON/OFF (power) button
5 POWER/LOCK switch
Set this switch to POWER, then press the ON/OFF button to turn on the radio. Set the switch to LOCK when carrying the radio. When this switch is set to LOCK, the power will not turn on nor the timer activate even if you accidentally press the ON/OFF button.
6 NIGHT/TIME DIFF (night/time difference) button ●
7 WORLD TIME button ●
8 SUMMER (summer time or "daylight saving time") ON/OFF button ●
9 TIME DIFF SET (time difference set) button ●
10 UTC/LOCAL (Universal Time Coordinated/local) button ●
11 M1, M2, M3, M4, M5 (memory 1 – 5) buttons ●

See the pages indicated in ● for details.

12 KEY PROTECT ⊶ button ●
While this button is pressed, all the functions of the buttons and dial are locked.
13 FAST/SLOW/LOCK (dial tuning mode and lock) button ● ●
14 Hand strap
15 MONO STEREO (monoaural/stereo) selector ●
16 TUNE/JOG dial
17 TONE selector ●
MUSIC: for listening to music
NORM: for normal listening
NEWS: for listening to news
18 VOLUME control ●
19 DIRECT TUNING numeric buttons/letter, ⁘ (hours) and EXE (execute) buttons ● ● ●
20 Display window
21 START TIME button ●
22 ALARM TIME button ●
23 LAST PAGE button ●
24 ERASE button ●
25 ENTER button ●
26 CHECK button ●
27 PAGE FEED + / – buttons ●
28 TIMER MEMORY button ●
29 AM FUNCTION button ● ●
30 TIMER SET button ●
31 OPR TIME (operation time) button ●
32 BEEP TYPE button ●
33 FM (ABC...) button ● ●
34 AM BAND – (DELETE) button ● ●
35 AM (123...) button ● ●
36 AM BAND + (INSERT) button ● ●
37 LABEL EDIT button ●
38 STEP/SCAN buttons ●
39 ALARM SET button ●

Location and Function of Controls



1 Stand ●
2 Speaker
3 Buzzer
4 Battery compartment ●
5 Reset button (inside the battery compartment)
Press this button with something like a toothpick, when the unit functions incorrectly because of an electric discharge caused by static electricity, etc.
When this button is pressed, all the memorized data except for the page memory (pages from 1 to 25) will be erased.
6 TIME SET button ●
7 LIGHT/BATT CHECK (light/battery check) button ●
Press to illuminate the display window for about 15 seconds or to check the battery condition. *The duration of the illumination is prolonged while you operate the unit. To put off, press this button again.*
8 Telescopic antenna ●
9 AM SENS (AM sensitivity) selector ●
10 AM EXT ANT (AM external antenna) jack ●
11 TAPE REMOTE jack ●
12 TAPE LINE OUT jack (stereo mini jack) ● ●
13 ∩ (stereo earphones) jack
Connect the stereo earphones for private listening.
14 DC IN 6V ⊖⊙⊕ (external power input) jack ●

Weight	Approx. 900g (approx. 2 lb) including batteries
Accessories supplied	AC power adaptor* (1) AC plug adaptor* (1) Stereo earphones (1) Earpad (2) System carrying case (1) Carrying case (1) SW compact antenna (1) External antenna connector (1) "Wave Handbook" only English version (1) "How to Catch the Wave" only English version (1) Quick reference (1) Preset frequency list (1) *Not provided with certain models

Design and specifications subject to change without notice.

Note
This appliance conforms with EEC Directive 87/308/EEC regarding interference suppression.

Accessories not supplied

Car battery cord	DCC-E150L
Connecting cord	RK-G64 (miniplug to miniplug, registor type) RK-G69 (miniplug to miniplug, no resistor type) RK-G129 (2 phono plugs to miniplug, no resistor type) RK-G135 (stereo miniplug to miniplug, resistor type) RK-G136 (stereo miniplug to miniplug, no resistor type)
Plug adaptor	PC-261M
LW/MW/SW wide range antenna	AN-1, AN-102

Your dealer may not handle some of the above listed accessories. Please ask the dealer for detailed information about them available in your country.